

Application/Control Number: 09/726,239

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Art Unit: ***

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C.P.

Art Unit: ***

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1. (Currently amended) A luminaire, comprising:
 - a light source;
 - a light guide that receives light radiating from the light source; and
 - a tilted prism array for redirecting the light in a first direction, wherein the prism array includes a cross-sectional profile that periodically alternates orientation along the light guide, the prism array including peaks and valleys, substantially all of the peaks being disposed in about a single plane.
2. (Previously presented) The luminaire of Claim 1 wherein the prism array includes linear prisms.
3. (Original) The luminaire of Claim 2 wherein the linear prisms have included angles of 25, 90, and 65 degrees.
4. (Previously presented) The luminaire of Claim 1 wherein the prism array includes peaks and valleys that form the cross-sectional profile that alternates along a first axis.
5. (Previously presented) The luminaire of Claim 4 wherein the prism array includes a second cross-sectional profile that alternates orientation along a second axis that is different than the first axis.
6. (Original) The luminaire of Claim 5 wherein the second axis is substantially perpendicular to the first axis.

7. (Original) The luminaire of Claim 5 wherein the second axis is offset about 60 degrees relative to the first axis.
8. (Previously presented) The luminaire of Claim 5 wherein the prism array includes a third cross-sectional profile that alternates orientation along a third axis that is different than the second axis and the first axis.
9. (Original) The luminaire of Claim 8 wherein the third axis is offset about 60 degrees relative to the second axis.
10. (Original) The luminaire of Claim 1 wherein the light guide is substantially solid.
11. (Original) The luminaire of Claim 10 wherein the light guide includes polymethyl methacrylate.
12. (Previously presented) The luminaire of Claim 1 wherein the prism array is disposed on a top surface of the light guide.

CLAIMS 13-15 CANCELLED

16. (Previously presented) The luminaire of Claim 1 wherein the prism array includes prism facets having more than one plane on at least one facet.
17. (Previously presented) The luminaire of Claim 1 wherein the prism array includes curved prism tips.
18. (Previously presented) The luminaire of Claim 1 wherein the prism array includes curved valleys.

CLAIMS 19-26 CANCELLED

Art Unit: ***

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27. (Previously presented) A luminaire comprising:
 - a light source;
 - a light guide that receives light radiating from the light source; and
 - a tilted prism array for redirecting the light exiting the light guide, the prism array including a cross-sectional profile that periodically alternates orientation along a first axis, the prism array including peaks and valleys, substantially all of the peaks being disposed in about a single plane.
28. (Previously presented) The luminaire of Claim 27 wherein the prism array includes a second cross-sectional profile that periodically alternates orientation along a second axis.
29. (Previously presented) The luminaire of Claim 28 wherein the prism array includes a third cross-sectional profile that periodically alternates orientation along a third axis.
30. (Previously presented) The luminaire of Claim 27 wherein the prism array is disposed on a top surface of the light guide.
31. (Previously presented) A method for redirecting light comprising:
 - providing a light source;
 - receiving light radiating from the light source in a light guide; and
 - redirecting the light in a first direction with a tilted prism array that includes a cross-sectional profile that periodically alternates orientation along a first axis, the prism array including peaks and valleys, substantially all of the peaks being disposed in about a single plane.
32. (Previously presented) The method of Claim 31 wherein the prism array includes a second cross-sectional profile that alternates orientation along a second axis that is different than the first axis.

33. (Previously presented) The method of Claim 32 wherein the prism array includes a third cross-sectional profile that alternates orientation along a third axis that is different than the second axis and the first axis.

CLAIM 34 CANCELLED

35. (Currently amended) A luminaire, comprising:
- a light source;
 - a light guide that receives light radiating from the light source; and
 - a prism array for redirecting light, the prism array including a first group including a plurality of prisms tilted in a first direction and a second group including a plurality of prisms tilted in a second direction, the first and second groups being disposed along the light guide in an alternating fashion, the prism array including peaks and valleys, substantially all of the peaks being disposed in about a single plane.
36. (Previously presented) The luminaire of Claim 1, wherein substantially all of the valleys are disposed in about a second single plane.
37. (New) The luminaire of Claim 35, wherein substantially all of the valleys are disposed in about a second single plane.